

Sheet 1 of 1

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U.S. DEPARTMENT OF COMMERCE  
PATENT AND TRADEMARK OFFICE

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INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT  
(Include several sheets if necessary)

APPLICANT:  
Michael Karin et al.

FILING DATE  
02/13/97

GROUP  
1814

U.S. PATENT DOCUMENTS

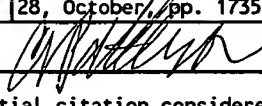
| EXAMINER<br>INITIAL | PATENT<br>NUMBER | ISSUE<br>DATE | PATENTEE | CLASS | SUBCLASS | FILING DATE<br>IF APPROPRIATE |
|---------------------|------------------|---------------|----------|-------|----------|-------------------------------|
| AA                  |                  |               |          |       |          |                               |

FOREIGN PATENT OR PUBLISHED FOREIGN PATENT APPLICATION

|     | DOCUMENT<br>NUMBER | PUBLICATION<br>DATE | COUNTRY OR<br>PATENT OFFICE | CLASS | SUBCLASS | TRANSLATION |    |
|-----|--------------------|---------------------|-----------------------------|-------|----------|-------------|----|
|     |                    |                     |                             |       |          | YES         | NO |
| ABL |                    |                     |                             |       |          |             |    |

OTHER DOCUMENTS (including Author, Title, Date, Place of Publication)

|    |   |
|----|---|
| AC | Derijard, B., et al., <u>JNK1: A Protein Kinase Stimulated by UV Light and Ha-Ras That Binds and Phosphorylates the c-Jun Activation Domain</u> , <i>Cell</i> , Vol. 76, 1-20, March 25, 1994, pp. 1-11.  |
| AD | Cano, E., et al., <u>Parallel signal processing among mammalian MAPKs</u> , <i>Elsevier Science Ltd.</i> , (1995), 117-122  |
| AE | Hibi, M., et al., <u>Identification of an oncoprotein and UV-responsive protein kinase that binds and potentiates the c-Jun activation domain</u> , <i>Genes and Development</i> 7:2135-2148 (1993)   |
| AF | Minden, A., et al., <u>c-Jun N-Terminal Phosphorylation Correlates with Activation of the JNK Subgroup but Not the ERK Subgroup of Mitogen-Activated Protein Kinases</u> , <i>Molecular and Cellular Biology</i> , Oct. 1994, 14(10), 6683-6688 |
| AG | Adler et al., <u>Phorbol esters stimulate the phosphorylation of c-Jun but not v-Jun: Regulation by the N-terminal <math>\delta</math> domain</u> , <i>Proc. Natl. Acad. Sci. USA.</i> , Vol. 89, pp.5341-5345, June 1992, Biochemistry         |
| AH | Boulton, et al., <u>ERKs: A Family of Protein-Serine/Threonine Kinases That Are Activated and Tyrosine Phosphorylated in Response to Insulin and NGF</u> , <i>Cell</i> , Vol. 65, pp. 663-675, May 17, 1991                                     |
| AI | Boulton, T.G., et al., <u>An insulin-Stimulated Protein Kinase Similar to Yeast Kinases Involved in Cell Cycle Control</u> , <i>Science</i> , Vol. 249, July 6, 1990, pp. 64-67   |
| AJ | Anderson et al., <u>Requirement for integration of signals from two distinct phosphorylation pathways for activation of MAP kinase</u> , <i>Nature</i> , Vol. 343, February 15, 1990, pp. 651-653   |
| AK | Pulverer et al., <u>Phosphorylation of c-jun mediated by MAP kinases</u> , <i>Nature</i> , Vol. 353, October 17, 1991, pp. 670-674  |
| AL | Kyriakis et al., pp54, <u>Microtubule-associated Protein 2 Kinase</u> , <i>The Journal of Biological Chemistry</i> , Vol. 265, No. 28, October, pp. 17355-17363   |

EXAMINER  DATE CONSIDERED 9/18/97

EXAMINER: Initial citation considered. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

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